

EFFICIENT ASSEMBLY OF FRAGMENTED NETWORK TRAFFIC
FOR DATA SECURITY

ABSTRACT OF THE DISCLOSURE

5 Optimizing data security using fragment assembly is described. Additionally,
optimizing security in data traffic is also described, including reassembling data traffic
using a fragment, scanning a datagram in the data traffic in accordance with a protocol,
and detecting an anomaly in the data traffic based on evaluating the datagram. By
scanning and detecting an anomaly contained in a data fragment, packet, segment, stream
10 or other encapsulation technique, further processing may be invoked in order to
determine whether a threat or attack to an end host exists.